

2123

Attorney's Docket No. 038190/272377

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Vasey-Glandon, et al. Confirmation No.: 6920  
Appl No.: 09/987,452 Group Art Unit: 2123  
Filed: 11/14/2001 Examiner: Unknown  
For: KNOWLEDGE DRIVEN COMPOSITE DESIGN  
OPTIMIZATION PROCESS AND SYSTEM THEREFOR

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT  
CITATION UNDER 37 C.F.R. § 1.97

Attached is a list of documents on form PTO-1449.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

All items are attached except those that were supplied in, or cited by the Office during prosecution of, parent Application Nos. 08/854,687 filed May 12, 1997 (issued as U.S. Patent No. 5,984,511) and 09/440,586 filed November 15, 1999 (issued as U.S. Patent No. 6,341,261). Since the benefit of this application was claimed under 35 U.S.C. 120, no copies need to be furnished in accordance with 37 C.F.R. 1.98(d); however, copies will be furnished on request.

Respectfully submitted,

  
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Appl. No.: 09/987,452

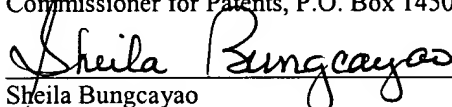
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Page 2

CERTIFICATE OF MAILING

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Sheila Bungcayao

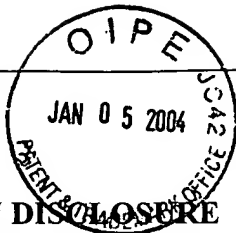
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3



**Complete if Known**

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**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-4,534,813	08/13/1985	Williamson et al.	
	2	US-4,646,251	02/24/1987	Hayes et al.	
	3	US-4,849,913	07/18/1989	Ward, et al.	
	4	US-4,937,768	06/26/1990	Carver et al.	
	5	US-4,945,488	07/31/1990	Carver et al.	
	6	US-5,006,990	04/09/1991	Ward et al.	
	7	US-5,023,800	06/11/1991	Carver et al.	
	8	US-5,033,014	07/16/1991	Carver et al.	
	9	US-5,038,291	08/06/1991	Wang et al.	
	10	US-5,119,309	06/02/1992	Cavendish et al.	
	11	US-5,197,013	03/23/1993	Dundorf	
	12	US-5,419,231	05/30/1995	Earle, III et al.	
	13	US-5,636,338	06/03/1997	Moreton	
	14	US-5,729,463	03/17/1998	Koenig et al.	
	15	US-5,936,861	08/10/1999	Jang et al	
	16	US-5,984,511	11/16/1999	Vasey-Glandon et al.	
	17	US-6,341,261	01/22/2002	Vasey-Glandon et al.	
	18	US-6,490,496	12/03/2002	Dacey	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

Examiner  
Signature

Date  
Considered

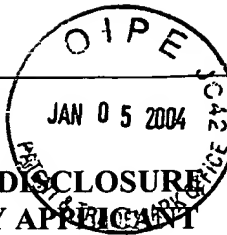
\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 3



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**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	19	J.J. Shah, et al., "The A.S.U. Features Testbed: An Overview", Arizona St. Univ. pgs. 233-241.	
	20	B. Davidson, et al., "An Expert System for the Design and Analysis of Composite Structures", Am. Helicopter Society Conf. And Specialists Mtg. Sep. 21-23, 1993.	
	21	C.M.L. Wu et al., "A knowledge based expert system for laminated composite strut design", Aeronautical Journal, Jan. 1991, pgs. 1-20.	
	22	C.M.L. Wu, "Bolted joints in a laminated composite strut design expert system", Composite Structures 22, 1992, pgs. 63-85.	
	23	D. Sriram et al., "Knowledge-Based Expert Systems in Structural Design", Computers & Structures, Vol. 20, No. 1-3, pgs. 1-9, 1985.	
	24	J. J. Shah et al., "Analysis of design abstraction, representation and inferencing requirements for computer-aided design".	
	25	J.P.H. Webber et al., "An Expert System for Laminated Plate Design Using Composite Materials", Computers & Structures, Vol. 37, No. 6, p. 1051-1-67, 1990.	
	26	D.P. Costin et al., "Optimum Design of a Composite Structure with Manufacturing Constraints", Thin-Walled Structures 17, pgs. 185-202, 1993.	
	27	H. Yoshiura, et al., "Top-Down Construction of 3-D Mechanical Object Shapes from Engineering Drawings", IEEE, Dec. 1984, pgs. 32-40.	
	28	T.C. Woo, "Interfacing Solid Modeling to CAD and CAM: Data Structures and Algorithms for Decomposing a Solid", IEEE, Dec. 1984, pgs. 44-49.	
	29	A.A.G. Requicha et al., "Representation of Geometric Features, Tolerances, and Attributes in Solid Modelers Based on Constructive Geometry", IEEE Journal of Robotics and Automation, Vol. RA-2 No. 3, Sep. '86.	
	30	Y.H. Pao et al., "Memory Driven Feature-Based Design", Interim Report Feb. 1988-Dec. 1992.	

Examiner Signature		Date Considered	
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Examiner Name	Unknown

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## OTHER DOCUMENTS

[illegible]

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